

ABSTRACT OF THE DISCLOSURE

A flexible, heat sealable, composite chemical barrier fabric which exhibits enhanced durability characteristics comprised of a multi-layered chemical barrier material or fabric that has been coated on one or more sides with a layer of halogen-free thermoplastic olefin resin (TPO). Fabrics having this structure show enhanced durability characteristics while maintaining a high degree of chemical resistance and heat sealability. More specifically, embodiments are included that show order of magnitude increases in various measures of durability including flex crack resistance, abrasions resistance, and resistance to puncture as compared to un-coated fabrics.

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